

From: [Richard Fetzer](#)
To: heston.gerald@epa.gov
Subject: Fw: New data, new names in the response to the 104 data from Cabot
Date: 01/13/2012 02:43 PM

your weren't added

Richard M. Fetzer
Federal On-Scene Coordinator
100 Gypsum Road
Stroudsburg, PA 18360
(215) 341-6307

----- Forwarded by Richard Fetzer/R3/USEPA/US on 01/13/2012 02:42 PM -----

From: KarenD Johnson/R3/USEPA/US
To: Dawn Ioven/R3/USEPA/US@EPA
Cc: Ann DiDonato/R3/USEPA/US@EPA, Dennis Carney/R3/USEPA/US@EPA, Eric Johnson/R3/USEPA/US@EPA, Jon Capacasa/R3/USEPA/US@EPA, Richard Fetzer/R3/USEPA/US@EPA, Robert Helverson/R3/USEPA/US@EPA, Victoria Binetti/R3/USEPA/US@EPA
Date: 01/13/2012 01:38 PM
Subject: Re: New data, new names in the response to the 104 data from Cabot

Thanks Dawn!- I don't know what the source of the DBP's at the [Ex. 6 - Personal Privacy] well would be either, but organics in the soil and bromides in the drilling fluids could be interacting, I just don't know where the chlorine would be coming fromI just wanted to make sure if the [Ex. 6 - Personal Privacy] house had to be added that Denis know sooner than later..So it should be added to make it 5 homes due to the bis(2-chloroethyl)ether at 14 ug/L.

My main concern with the [Ex. 6 - Personal Privacy] home is the methane levels and I have calls into DEP to see if they know where this residence is located. Harrisburg and Meadville offices didn't recognize the name from their data bases so one of the guys from Williamsport who does more field work in that area is checking. Hopefully we'll track him down, otherwise we'll have to call one of the others in the [Ex. 6 - Personal Privacy] family to see...

Thanks for your quick review!

Karen D. Johnson, Chief
Ground Water & Enforcement Branch

▼ Dawn Ioven---01/13/2012 01:28:12 PM---Hi, Karen. I reviewed the data summarized in your e-mail below. Most noteworthy, the [Ex. 6 - Personal Privacy] samp

From: Dawn Ioven/R3/USEPA/US
To: KarenD Johnson/R3/USEPA/US
Cc: Ann DiDonato/R3/USEPA/US@EPA, Dennis Carney/R3/USEPA/US@EPA, Eric Johnson/R3/USEPA/US@EPA, Jon Capacasa/R3/USEPA/US@EPA, Richard Fetzer/R3/USEPA/US@EPA, Robert Helverson/R3/USEPA/US@EPA, Victoria Binetti/R3/USEPA/US@EPA
Date: 01/13/2012 01:28 PM
Subject: Re: New data, new names in the response to the 104 data from Cabot

Hi, Karen. I reviewed the data summarized in your e-mail below. Most noteworthy, the Ex. 6 - Personal Privacy sample contained bis(2-chloroethyl)ether at 14 ug/L. This compound is a very potent carcinogen, with a risk-based trigger of 1.2 ug/L (set at an excess cancer risk of 1E-04). At the concentration reported in the Ex. 6 - Personal Privacy well (14 ug/L), the excess cancer risk associated with long-term exposure to this water is 1E-03, representing an imminent and substantial endangerment. (Note that this well also contained several trihalomethane products, which are often associated with the disinfection process for public water supplies. Not sure of their origin in this well and, to my knowledge, we haven't seen these compounds in other private wells in the area. At the levels detected, there's no real significance in terms of unacceptable risk, but I just thought I'd point out this finding.)

Ex. 5 - Deliberative

That's all I saw of significance. If you have any questions, please let me know. You can call me at home, if you'd like Ex. 6 - Personal Privacy Thanks.

Dawn

Dawn A. Ioven, toxicologist
U.S. EPA - Region III
(3HS41)
1650 Arch street
Philadelphia, PA 19103
215.814.3320

New data, new names in the response to the 104 data from Cabot

KarenD Johnson to: Richard Fetzer, Ann DiDonato, Dawn Ioven, Eric Johnson, Dennis Carney

01/13/2012
11:06 AM

Cc: Robert Helverson, Jon Capacasa, Victoria Binetti

Going through the new data submitted and I found several additional chemicals identified and locations from the Test America data just received from well water samples-

Several new names with contaminant levels that may be of concern:

Ex. 6 - Personal Privacy

} new name not part of DEP order

Methane 34.50 mg/l 9/23/10

Methane 60.40 mg/l 7/22/11

Lithium 182.42 ug/l in 9/10

Lithium 380 ug/l in 7/11

Ex. 6 - Personal Privacy

Chlorodibromomethane 3.8 ug/l

Chloroform 7.8 ug/l

propane 13 ug/l

Bis (2-chloroethyl)ether 14 ug/l

Tentatively identified compounds:

1,1-dimethyl-3-chloropropanol 68.3 ug/l

2,3-dichloro-2-methyl-Butane 54.6 ug/l

U 234 1.64 pCi/l

U 238 0.62 (J)

barium 720 ug/l

Total phenols 0.1 mg/l

Total Organic Carbon 1.8 mg/l

six other unknown compounds

Ex. 6 - Personal Privacy

Bromodichloromethane 3.8 ug/l
Chlorodibromomethane 5.7 ug/l

Ex. 6 - Personal Privacy

Bis (2-ethylhexyl)phthalate 3.2 ug/l
tributyl phosphate 8.95 ug/l - tentatively identified compound

Ex. 6 - Personal Privacy

not part of DEP order and no address
High in indicators like Fe, Na
Uranium 234 3.14 pCi/L
Uranium 238 1.58
Barium 234 ug/l

Ex. 6 - Personal Privacy

Uranium 234- 3.29 pCi/L
Uranium 238 1.28 pCi/L

Ex. 6 - Personal Privacy

previously determined by DEP not to be affected
First show of effect with higher Fe, Mg and Na
also Uranium 234 1.9 pCi/l
uranium 238 0.93 (J)

Ex. 6 - Personal Privacy

Uranium 234 2.62
Uranium 238 1.23 pCi/l

Ex. 6 - Personal Privacy

U234= 2.28 pCi/l
U238= 1.13

Ex. 6 - Personal Privacy

U234= 1.2 pCi/L
U238= 0.78 (J)
Karen D. Johnson, Chief
Ground Water & Enforcement Branch